Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1		("0127711" "6504238" "6828661" "6 900524" "6979886").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 13:48
S2	25	("20010030355"   "20010042904"   "20020041011"   "20020079561"   "20020121684"   "20020153597"   "20030001244"   "20030006492"   "20030042581"   "20030073265"   "4283839"   "5466966"   "6025640"   "6075284"   "6078098"   "6081029"   "6166430"   "6211462"   "6229200"   "6448633"   "6455356"   "6462424"   "6476469"   "6521987"   "6700186"). PN. OR ("6979886").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:49
S3	45	("5270491"   "5529959"   "5811799"   "5898218"   "6191359"   "6208020"   "6303978"   "6355502").PN. OR ("6476469").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:51
S4	77	("3838984"   "4530152"   "4707724"   "4756080"   "4812896"   "5041902"   "5157480"   "5172213"   "5172214"   "5200362"   "5200809"   "5214845"   "5216278"   "5221642"   "5258094"   "5273938"   "5277972"   "5278446"   "5279029"   "5332864"   "5336931"   "5343076"   "5406124"   "5424576"   "5435057"   "5474958"   "5521429"   "5604376"   "5608267"   "5639990"   "5640047"   "5641997"   "5646831"   "5650663"   "5683806"   "5696666"   "5701034"   "5710064"   "5776798"   "5783861"   "5835988"   "5859471"   "5866939"   "5877043"   "5894108"   "5977613"   "5977615"   "6977630"   "6130115"   "6130473"   "6143981"   "6198171"   "6225146"   "6229200"   "6242281"   "6281568").PN. OR ("6455356").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 13:55
S5	116	("5172214"   "5521429").PN. OR ("5977613").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 14:03

S6	69	("20030073265"   "3838984"	US-PGPUB;	OR	ON	2006/10/23 14:42
30	09	"4530152"   "4707724"   "4756080"   "4812896"   "5041902"   "5157480"   "5172213"   "5172214"   "5200362"   "5200809"   "5214845"   "5216278"   "5221642"   "5258094"   "5273938"   "5277972"   "5278446"   "5279029"   "5332864"   "5336931"   "5343076"   "5391439"   "5406124"   "5424576"   "5435057"   "5521429"   "5604376"   "5608267"   "5639990"   "5640047"   "5641997"   "5646831"   "5650663"   "5783861"   "5736432"   "5776798"   "5783861"   "5835988"   "5859471"   "5866939"   "5877043"   "5894108"   "5977613"   "5977630"   "5981314"   "6001671"   "6018189"   "6025640"   "6130115"   "6130473"   "6143981"   "6198171"   "6225146"   "6229200"   "6242281"   "6281568"   "6437429"   "6448633"   "6483178"   "6545332"   "6580161"   "6611047"   "6700189"   "6861734").PN. OR ("7042068"). URPN.	USPAT; USOCR			2000/10/23 14.42
S7	1	"6373127".pn. and tape	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 14:59
S8	2477	(257/676).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 15:00
S10	7	S8 and pad with rim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 15:02
S11	282813	"257"(666-677).ccls. and pad with rim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 15:02
S12	282813	"257"/(666-677).ccls. and pad with rim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 15:03

S13	282813	"257"/(666-677).ccls. and pad with rim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 15:04
S14	9553	(257/666-677).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/23 15:04
S15	18	S14 and pad with rim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 15:04
S16	11	S15 not S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 15:04
S17	5273	pad with rim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 15:05
S18	182	(chip IC die ) with pad with rim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 10:04
S19	1986	(chip IC die ) with pad with ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 10:04
S20	9559	(257/666-677).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/24 10:04
S21	148	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 10:04

S22	12	("4532222" "5986209" "6114752" "6 424031" "6504238" "6638790").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 10:42
S23	25	("4258381"   "4857989"   "5214307").PN. OR ("6114752"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 10:43
S24	. 8	("5140404"   "5491362"   "6114752"   "6191490").PN. OR ("6440779"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 10:45
S25	25	("4258381"   "4857989"   "5214307").PN. OR ("6114752"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 10:46
S26	4	("5140404"   "5491362"   "6114752"   "6191490").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 14:37
S27	12	("4884124"   "5223740"   "5233222"   "5264730"   "5327008"   "5521428"   "5550402"   "5661338"   "5683944"   "5723897"   "5963782"   "6049120").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 14:53
S28	24	"6114752"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 14:53
S29	1	"6114752".pn	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 15:00
S30	122	molding with epoxy with cost	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 15:06
S31	0	S30 and 257/797.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 15:01
S32	48	S30 and "257"\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 15:01
S33	32	S30 and "257"\$.ccls.	USPAT	OR	ON	2006/10/24 15:06
S34	90	encapsulat\$3 with epoxy with cost	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 15:08
S35	31	S34 and "257"\$.ccls.	USPAT	OR	ON	2006/10/24 15:08
S36	10021	encapsulat\$3 with epoxy	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 15:08
S37	2386	S36 and "257"\$.ccls.	USPAT	OR	ON	2006/10/24 15:09
S38	77	encapsulat\$3 with epoxy with prefer\$5	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 15:09
S39	25	S38 and "257"\$.ccls.	USPAT .	OR	ON	2006/10/24 15:11

S43	29	epoxy near1 resin with commonly with used with (reliability moldability, moisture absorbing resistance adhesion)	USPAT	OR	ON	2006/10/24 16:10
S44	283	((flores or ruiz) with delma).xa.	USPAT	·OR	ON	2006/10/24 16:10
S45	359	(armando with rodriguez).xa.	USPAT	OR	ON	2006/10/24 16:11
S46	61	(armando with rodriguez).xp.	USPAT	OR	ON	2006/10/24 16:11
S47	42	andujar.xp.	USPAT	OR	ON	2006/10/24 16:14
S48	16	("4835593" "5162257" "5244143" "5 767010" "5775569" "5937320" "600 3757" "6056191").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/28 13:52
S49	2	"20050224966".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/28 13:23
S50	8	("4835593" "5162257" "5244143" "5 767010" "5775569" "5937320" "600 3757" "6056191").PN.	USPAT	OR ·	ON	2006/10/28 13:53
S51	2	\$50 and lead near2 free	USPAT	OR	ON	2006/10/28 13:54
S52	2223	(438/614).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/28 13:54
S53	24	S52 and (Pb lead) near2 free and (BLM UBM)	USPAT	OR	ON	2006/10/28 13:58
S54	29	"438"/\$.ccls. and (Pb lead) near2 free and (BLM UBM) and sputtering	USPAT	or	ON	2006/10/28 13:59
S55	2	("20020137325"   "6492197").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/28 15:06
S56	8	(BLM UBM) with adhesion with thickness	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/28 15:25
S57	651	(BLM UBM) with (ti tin ta tan zr znn v ni)	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/28 15:26
S58	58	S57 and 257/737.ccls.	US-PGPUB; USPAT; USOCR	OR	ON .	2006/10/28 15:27
S59	31	S57 and 257/737.ccls.	USPAT	OR ·	ON	2006/10/28 15:41
S60	1	barrier with au with wettab\$5 with bump	USPAT	OR	ON	2006/10/28 15:43
S61	103	barrier with au with bump	USPAT	OR	ON	2006/10/28 15:45

S62	12	barrier with wetting with layer with	USPAT	OR	ON	2006/10/28 15:46
S63	21062	gold with bump wit plating with seed	USPAT	or.	ON	2006/10/28 15:47
S64	6	gold with bump with plating with seed	USPAT	OR	ON	2006/10/28 15:50
S65	4	au with bump with plating with seed	USPAT	OR	ON	2006/10/28 15:52
S66	54	bump same (au gold) with wetting	USPAT	OR	ON	2006/10/28 15:58
S67	52	bump with plating with seed with layer	USPAT	OR	ON	2006/10/28 16:03
S68	2	final with wettable with (layer film) with (gold au)	USPAT	OR	ON	2006/10/28 16:04
S69	180	wettable with (layer film) with (gold au)	USPAT	OR	ON	2006/10/28 16:09
S70	. 1	"5,234,149".pn.	USPAT	OR	ON	2006/10/28 17:03
S71	0	tin with bump with cu with wettable	USPAT	OR	ON	2006/10/28 17:04
S72	2	tin with bump same cu with wett\$6	USPAT	OR	ON	2006/10/28 17:04
S73	191	wettable with layer with (copper cu)	USPAT	OR	ON	2006/10/28 17:06
S74	4	wettable with layer with (copper cu) and pure near2 (tin sn) with (bump ball c4)	USPAT	OR	ON	2006/10/28 17:40
S75	2	(bump solder near2 ball) with anneal\$5 with minutes	USPAT	OR	ON	2006/10/28 18:03
S76	10	(bump solder near2 ball) with anneal\$5 with (min minutes hour second)	USPAT	OR	ON	2006/10/28 17:44
S77	. 94	(bump solder near2 ball) with anneal\$5	USPAT	OR	ON	2006/10/28 17:44
S78	29	(bump solder near2 ball) with anneal\$5 and anneal\$5 with (min minutes hour second)	USPAT	OR	ON	2006/10/28 17:45
S79	1	"5532612".pn. and anneal\$5	USPAT	OR	ON	2006/10/28 18:04
S80	. 1	"5532612".pn. and anneal\$5 with minutes	USPAT	OR <sub>.</sub>	ON	2006/10/28 18:13
S81	1	"5,234,149".pn. and (cap capping)	USPAT	OR	ON	2006/10/28 18:15
S82	· 737	(cap or capping) with layer with (sputtering plating evaporation)	USPAT	OR	ON	2006/10/28 18:16
S83	5	(cap or capping) with layer with (sputtering plating evaporation) and 257/737.ccls.	USPAT	OR	ON	2006/10/28 18:16
S84	290	(cap or capping) with layer with (sputtering plating evaporation) and "438"/\$.ccls.	USPAT	OR	ON	2006/10/28 18:18
S85	4	(ball c4 bump flip solder near2 ball) same (cap or capping) with layer with (sputtering plating evaporation) and "438"/\$.ccls.	USPAT	OR	ON	2006/10/28 18:19

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S86	0	(ball c4 bump flip solder near2 ball) same metal near2 layer with deposit\$5 with (sputtering plating evaporation) with cost and "438"/\$. ccls.	USPAT	OR	ON	2006/10/28 18:20
S87	1	metal near2 layer with deposit\$5 with (sputtering plating evaporation) with cost and "438"/\$.ccls.	USPAT	OR	ON	2006/10/28 18:21
S88	1344965	metal deposit\$5 with (sputtering plating evaporation) with cost and "438"/\$.ccls.	USPAT	OR	ON	2006/10/28 18:21
S89 <sup>-</sup>	22	metal with deposit\$5 with (sputtering plating evaporation) with cost and "438"/\$.ccls.	USPAT	OR	ON	2006/10/28 18:22
S90	40	(gold au) with plating with cost and "438"/\$.ccls.	USPAT	OR	ON	2006/10/28 18:24
S91	1	(sn) with plating with low with cost and "438"/\$.ccls.	USPAT	OR	ON	2006/10/28 18:24
S92	2	(sn tin) with plating with low with cost and "438"/\$.ccls.	USPAT	OR	ON	2006/10/28 18:24
S93	26	solder with wettable with (sputtering plating evaporation) and "438"/\$. ccls.	USPAT -	OR	ON	2006/10/28 18:29
S94	88	solder with wettable with (sputtering plating evaporation)	USPAT.	OR	ON	2006/10/28 18:29
S95	62	S94 not S93	USPAT	OR	ON	2006/10/28 18:29